



THE UNIVERSITY OF  
**CHICAGO**

Department of Statistics

STATISTICS COLLOQUIUM

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Fast Rates and Fast Algorithms for the Wasserstein Distance

WEDNESDAY, February 6, 2019 at 4:00 PM  
Eckhart 133, 5734 S. University Avenue

## ABSTRACT

The Wasserstein distances are a set of metrics on probability distributions with applications throughout statistics and machine learning. However, the key obstacle in using Wasserstein distances in practice has been their high statistical and computational cost. In this talk, we show how to obtain better statistical rates—beating the curse of dimensionality—and state-of-the-art algorithms.

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For further information and inquiries about building access for persons with disabilities, please contact Jonathan Rodriguez at 773.702.8333 or send him an email at [jgrodriquez@galton.uchicago.edu](mailto:jgrodriquez@galton.uchicago.edu). If you wish to subscribe to our email list, please visit the following website:  
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